

# ***PROGRAM of EKAW 2010***

***Lisbon, Portugal***

***October 11th–15th, 2010***

**17th International Conference on Knowledge Engineering and Knowledge Management**

**Knowledge Engineering and Knowledge Management by the Masses**

## Program overview · EKAU 2010 · Lisbon

	Time	Room 1	Room 2	Room 3
<b>Monday</b>	09:00–12:00	–	Tutorial T1	–
	13:00–18:00	Workshop W1	Workshop W2	Workshop W3
<b>Tuesday</b>	09:00–18:20	Main Conference	–	–
<b>Wednesday</b>	09:00–18:00	Main Conference		–
	16:00–18:00		Poster & Demo	–
<b>Thursday</b>	09:00–18:00	Main Conference	–	–
	20:00	Dinner		
<b>Friday</b>	09:00–12:00	Workshop W4	Tutorial T3	Tutorial T2
	13:00–18:00	Workshop W5	Workshop W6	Tutorial T2/T3

# Monday · October 11th · 2010 · Lisbon

## Morning Session (09:00–12:00)

**Tutorial T1:**      Ontology Learning from Folksonomies (*Andreas Hotho, Robert Jäschke*)

12:00 – 13:00      **Lunch Break**

## Afternoon Session (13:00–18:00)

**Workshop W1:**      Workshop on Context, Information and Ontologies –CIAO–  
(*Vadim Ermolayev, Jose Manuel Gómez-Pérez, Peter Haase, Paul Warren*)

**Workshop W2:**      Personal Semantic Data –PSD– (*Laura Dragan, Bernhard Schandl, Charlie Abela, Tudor Groza, Gunnar Aastrand Grimnes, Stefan Decker*)

**Workshop W3:**      Open Knowledge Models –OKM– (*Robert Woitsch, Andras Micsik*)

## Tuesday · October 12th · 2010 · Lisbon

- 09:00 – 09:15      **Opening**
- 09:15 – 10:15      **Invited Talk: Enrico Motta**  
New Frontiers for Knowledge Engineering and Management:  
Embedding Knowledge Technologies in Everyday's Devices
- 10:15 – 10:30      **Coffee Break**

### Knowledge Engineering · Chair: Derek Sleeman

- 10:30 – 11:00      Enriching the Gene Ontology via the Dissection of Labels  
using the Ontology Pre-Processor Language (*Jesualdo Tomas  
Fernandez-Breis, Luigi Iannone, Ignazio Palmisano, Alan Rector, Robert  
Stevens*) · **Research full paper**
- 11:00 – 11:30      Pattern-based Mapping Refinement (*Fayçal Hamdi, Chantal  
Reynaud, Brigitte Safar*) · **Research full paper**
- 11:30 – 12:00      Practical Considerations on Identity for Instance Manage-  
ment in Ontological Investigation (*Kouji Kozaki, Satoshi Endo,  
Riichiro Mizoguchi*) · **Research full paper**
- 12:00 – 13:00      **Lunch Break**

### Knowledge Acquisition · Chair: Matthieu D' Aquin

- 13:00 – 13:30      Involving Business Users in Formal Modeling using Natural  
Language Pattern Sentences (*Ronald Heller, Jeroen van Grondelle,  
Emiel Haandel, Tim Verburg*) · **In-use full paper**

**Tuesday · October 12th · 2010 · Lisbon**

13:30 – 14:00 Knowledge Acquisition from Sources of Law in Public Administration (*Alexander Boer, Tom Van Engers, Saskia Van de Ven*) · **Problem analysis full paper**

### **Collaboration in Knowledge Engineering**

14:00 – 14:30 Ontology Development for the Masses: Creating ICD-11 in WebProtege (*Tania Tudorache, Sean Falconer, Natasha Noy, Csongor Nyulas, Bedirhan Ustun, Margaret-Anne Storey, Mark Musen*) · **In-use full paper**

14:30 – 15:00 RDFauthor: Employing RDFa for collaborative Knowledge Engineering (*Sebastian Tramp, Norman Heino, Sören Auer, Philipp Frischmuth*) · **In-use full paper**

### **Knowledge Engineering: Patterns · Chair: Viktoria Pammer**

15:00 – 15:30 Pattern-Based Ontology Transformation Service Exploiting OPPL and OWL-API (*Ondrej Svab-Zamazal, Vojtech Svatek, Luigi Iannone*) · **Research full paper**

15:30– 16:00 Experimenting with eXtreme Design (*Eva Blomqvist, Aldo Gangemi, Enrico Daga, Valentina Presutti*) · **Research full paper**

16:00 – 16:30 **Coffee Break**

### **Short Paper Pecha Kucha · Chair: Victoria Uren (16:30 – 18:20)**

- Making Sense of Design Patterns (*Rinke Hoekstra, Joost Breuker*) · **Research short paper**

- Acquiring and Modelling Legal Knowledge Using Patterns: an application for the Dutch Immigration and Naturalisation Service (*Patries Kordelaar, Freek van Teeseling, Edwin Hoogland*) · **In-use short paper**
- A Model-Driven Approach for Using Templates in OWL Ontologies (*Fernando Silva Parreiras, Gerd Groener, Tobias Walter, Steffen Staab*) · **Research short paper**
- Specialization and Validation of Statecharts in OWL (*Gerd Groener, Steffen Staab*) · **Research short paper**
- Temporal Knowledge Acquisition and Modeling (*Cyril Faucher, Charles Teissède, Jean-Yves Lafaye, Frédéric Bertrand*) · **Research short paper**
- Machine Learning to Support Continuous Ontology Development (*Maryam Ramezani, Hans-Fried Witschel, Simone Braun, Valentin Zacharias*) · **Research short paper**
- Handling markup overlaps using OWL (*Angelo Di Iorio, Silvio Peroni, Fabio Vitali*) · **Research short paper**
- Ontology Learning for Cost-Effective Large-scale Semantic Annotation of XML Schemas and Web Service Interfaces (*Shahab Mokarizadeh, Peep Küngas, Mihhail Matskin*) · **Research short paper**
- Towards Hybrid Reasoning for Verifying and Validating Multilevel Model (*Nophadol Jekjantuk*) · **In-use short paper**
- Representing, Proving and Sharing Trustworthiness of Web Resources Using Veracity (*Grégoire Burel, Amparo Elizabeth Cano Basave, Matthew Rowe, Alfonso Sosa*) · **Research short paper**
- Enhancing Content-based Recommendation with the Task Model of Classification (*Yiwen Wang, Shenghui Wang, Natalia Stash, Lora Aroyo, Guus Schreiber*) · **Research short paper**

## Wednesday · October 13th · 2010 · Lisbon

09:00 – 10:00      **Invited Talk: Bernardo Huberman**  
Social Media and Attention

10:00 – 10:30      **Coffee Break**

### **Social Aspects / Tagging · Chair: Vojtech Svatek**

10:30 – 11:00      Weaving a Social Data Web with Semantic Pingback (*Sebastian Tramp, Philipp Frischmuth, Timofey Ermilov, Sören Auer*) · **Research full paper**

11:00 – 11:30      Social People-Tagging vs. Social Bookmark-Tagging (*Peyman Nasirifard, Sheila Kinsella krystian, Stefan Decker*) · **Research full paper**

11:30– 12:00      FOLCOM or the costs of tagging (*Elena Simperl, Tobias Bürger, Christian Hofer*) · **Research full paper**

12:00 – 13:00      **Lunch Break**

### **Short Paper Pecha Kucha · Chair: Valentina Presutti (13:00 – 15:30)**

- Extending Open Rating Systems for Ontology Ranking and Reuse (*Holger Lewen, Mathieu D'Aquin*) · **Research short paper**
- HyperTwitter: Collaborative Knowledge Engineering via Twitter Messages (*Martin Hepp*) · **Research short paper**
- TagSorting: A Tagging Environment for Collaboratively Building Ontologies (*Leyla Jael García Castro, Martin Hepp, Alexander García Castro*) · **Research short paper**

- QuiKey – an Efficient Semantic Command Line (*Heiko Haller*) · **Research short paper**
- Kali-ma: a semantic guide to browsing and accessing functionalities in plugin-based tools (*Alessandro Adamou, Valentina Presutti, Aldo Gangemi*) · **Research short paper**
- Constructing Understandable Explanations for Semantic Search Results (*Björn Forcher, Michael Sintek, Thomas Roth-Berghofer, Andreas Dengel*) · **Research short paper**
- Ontology engineering with rough concepts and instances (*C. Maria Keet*) · **Research short paper**
- Building Large Lexicalized Ontologies from Text: a Use Case in Indexing Biotechnology Patents (*Claire Nedellec, Wiktoria Golik, Sophie Aubin, Robert Bossy*) · **Research short paper**
- ReBEC: a Method for Capturing Experience during Software Development Projects (*Gerardo Maturro, Andres Silva*) · **Research short paper**
- Reasoning by Analogy in the Generation of Domain Acceptable Ontology Refinements (*Laura Moss, Derek Sleeman, Malcolm Sim*) · **Research short paper**
- Evaluations of User-Driven Ontology Summarization (*Ning Li, Enrico Motta*) · **Research short paper**
- A Visualization Service for the Semantic Web (*Sean Falconer, Chris Callendar, Margaret-Anne Storey*) · **In-use short paper**
- How much Semantic Data on Small Devices? (*Mathieu D'Aquin, Andriy Nikolov, Enrico Motta*) · **Research short paper**



- A Semantic Approach for Learning Objects Repositories with Knowledge Re-use (*Isabel Azevedo, Rui Seiça, Adela Ortiz, Eurico Carrapatoso, Carlos Vaz de Carvalho*)  
· In-use short paper

15:30 – 16:00      **Coffee Break**

## Poster & Demo Session ·

**Chairs: Johanna Völker and Oscar Corcho (16:00 – 18:00)**

### Posters

- Reasoning by Analogy in the Generation of Domain Acceptable Ontology Refinements (*Laura Moss, Derek Sleeman, Malcolm Sim*)
- Automatically Supporting Formative Ontology Evaluation in an Ontology Engineering Environment (*Viktoria Pammer, Chiara Ghidini, Marco Rospocher, Luciano Serafini, Stefanie Lindstaedt*)
- Exploiting Redundancy for Pattern-based Relation Instantiation using tOKo (*Viktor De Boer, Maarten van Someren, Bob Wielinga, Anjo Anjewierden*)
- Ontology-based Validation of Agent Oriented Modelling (*Alex Lopez-Lorca, Ghassan Beydoun, Leon Sterling, Tim Miller*)
- Automated Recommendation Rule Acquisition for Two-Way Interaction-based Social Network Web Sites (*Yang Sok Kim, Ashesh Mahidadia, Paul Compton, Alfred Krzywicki, Wayne Wobcke, Mike Bain, Xiongcai Cai*)
- A Study of Parallel Enumerative Structures for Ontology Building and Enrichment (*Mouna Kamel, Bernard Rothenburger*)
- MoKi: a Wiki-Based Conceptual Modeling Tool (*Marco Rospocher, Chiara Ghidini, Luciano Serafini*)
- DBTropes – a linked data wrapper approach incorporating community feedback (*Malte Kiesel, Gunnar Grimnes*)
- Evaluation of an Ontology Summarization Approach (*Ning Li, Enrico Motta, Mathieu D'Aquin, Zdenek Zdrahal*)
- Predicting the quality of semantic relations by applying Machine Learning classifiers (*Miriam Fernandez, Marta Sabou, Petr Knuth, Enrico Motta*)

- Semi-automatic Multimedia Metadata Integration (*Samir Amir*)
- DAFOE: A Platform for Building Ontologies from Texts (*Jean Charlet, Sylvie Szulman, Nathalie Aus-senac-Gilles, Adeline Nazarenko, Henry Teguiaik, Eric Sardet*)
- NEST: A Model for Detecting Weak Signals of Emerging Trends Using Global Monitoring Expert Network (*Kim Seonho*)
- OWL Based Formalisation of Geographic Databases Specifications (*Nathalie Abadie, Ammar Mechouche, Sébastien Mustière*)
- An Ontological Approach to Integrating Task Representations in Sensor Networks (*Konrad Borowiecki, Alun Preece*)
- Associating Semantics to Multilingual Tags in Folksonomies (*Andrés García-Silva, Oscar Corcho, Jorge Gracia*)
- Evaluation of a Semantic-Oriented Approach to Cross-Lingual Ontology Mapping (*Bo Fu, Rob Brennan, Declan O'Sullivan*)
- Towards Web-based Mass Argumentation in Natural Language (*Adam Wyner, Tom Van Engers*)
- Rich Lexical Knowledge based Q&A System for Ubiquitous Knowledge Service (*Asanee Kawtrakul, Patrick Saint-Dizier*)
- SPARQL-based detection of anti-patterns in OWL ontologies (*Oscar Corcho, Catherine Roussey, Francois Scharffe, Ondrej Svab-Zamazal*)
- OWL-based Reasoning Methods for Validating Archetyped Clinical Knowledge (*Marcos Menar-guez-Tortosa, Jesualdo Tomas Fernandez-Breis*)
- A Formalism and Method for the Automated Synthesis of Executable Process Models from SME-authored Process Diagrams (*José Manuel Gómez-Pérez, Michael Erdmann*)
- A Benchmark for Testing Instance-Based Ontology Matching Methods (*Katrin Zaiss, Stefan Conrad, Sven Vater*)
- A Semantic Wiki for the Engineering of Diagnostic Guideline Knowledge (*Reinhard Hatko, Jochen Reutelshöfer*)
- Representation and Inference of Privacy Risks Using Semantic Web Technologies (*Renata Vieira, Douglas da Silva, Tomas Sander, Alexandre Agustini, Caio Northfleet, Fernando Castilho, Mirian Bruckschen, Patricia Pizzinato, Paulo Bridi, Prasad Rao, Roger Granada*)
- The Orphanet Ontology -- Formalising Knowledge on Rare and Genetic Diseases (*Maja Milicic, Michael Cornell, Andrew Devereau*)

## Wednesday · October 13th · 2010 · Lisbon

- Legal Compliance in an Ontology-based Information System (*Albert Meroño-Peñuela, Núria Casellas, Sergi Torralba, Mario Reyes, Pompeu Casanovas*)
- Scientific and technical knowledge capitalisation at IRSN (*Helmut PITSCH, Gérald Favre, Sylviane Bonnefous*)
- Towards two-stage service representation & reasoning: from lightweight annotations to comprehensive semantics (*Stefan Dietze, Neil Benn, Hong Qing Yu, Carlos Pedrinaci, Ronald Siebes, Dong Liu, John Domingue*)
- Publishing Semantic Personal Notes as Linked Data (*Laura Dragan, Alexandre Passant, Tudor Groza, Siegfried Handschuh*)
- Acquiring and Modelling Legal Knowledge Using Patterns: an application for the Dutch Immigration and Naturalisation Service (*Patric Kordelaar, Freek van Teeseling, Edwin Hoogland*)
- A Model-Driven Approach for Using Templates in OWL Ontologies (*Fernando Silva Parreiras, Gerd Groener, Tobias Walter, Steffen Staab*)
- Specialization and Validation of Statecharts in OWL (*Gerd Groener, Steffen Staab*)
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- Kali-ma: a semantic guide to browsing and accessing functionalities in plugin-based tools (*Alessandro Adamou, Valentina Presutti, Aldo Gangemi*)

## Demos

- Risk Analysis and Prevention in Procedures: extraction and preliminary results (*Patrick SAINT-DIZIER*)
- Demo : Text Titling Application (*Cédric Lopez, Violaine Prince, Violaine Prince*)
- OntoWiki: a Semantic Data Wiki Enabling the Collaborative Creation and (Linked Data) Publication of RDF Knowledge Bases (*Sebastian Tramp, Philipp Frischmuth, Norman Heino*)
- Semantic Skin: from flat textual content to interconnected repositories of semantic data (*Claudio Baldassarre*)

- Combining terms and named entities for modeling domain ontologies from texts (*Nouha Omrane, Adeline Nazarenko, Sylvie Szulman*)
- KC-Viz: A Novel Approach to Visualizing and Navigating Ontologies (*Enrico Motta, Silvio Peroni, Ning Li, Mathieu D'Aquin*)
- A Model-Driven Approach for Using Templates in OWL Ontologies (*Fernando Silva Parreiras, Gerd Groener, Tobias Walter, Steffen Staab*)
- Extending Open Rating Systems for Ontology Ranking and Reuse (*Holger Lewen, Mathieu D'Aquin*)
- HyperTwitter: Collaborative Knowledge Engineering via Twitter Messages (*Martin Hepp*)
- QuiKey – an Efficient Semantic Command Line (*Heiko Haller*)
- Kali-ma: a semantic guide to browsing and accessing functionalities in plugin-based tools (*Alessandro Adamou, Valentina Presutti, Aldo Gangemi*)
- Semion: a smart triplification tool (*Andrea Giovanni Nuzzolese, Aldo Gangemi, Valentina Presutti, Paolo Ciancarini*)

## Thursday · October 14th · 2010 · Lisbon

09:00 – 10:00      **Invited Talk: Tom Scott**  
Using Linked Data to describe the natural world  
Sponsored by ISOCO S.A.

10:00 – 10:30      **Coffee Break**

### **Semantic Web / Web of Data / Linked Data · Chair: Chantal Reynaud**

10:30 – 11:00      Epiphany: Adaptable RDFa Generation Linking the Web of Documents to the Web of Data (*Benjamin Adrian, Jörn Hees, Ivan Herman, Michael Sintek, Andreas Dengel*) · **Research full paper**

11:00 – 11:30      Scaling up Question-Answering to Linked Data (*Vanessa Lopez, Andriy Nikolov, Marta Sabou, Victoria Uren, Enrico Motta, Mathieu D'Aquin*) · **Research full paper**

11:30 – 12:00      Using Semantic Web Resources for Data Quality Management (*Christian Fürber, Martin Hepp*) · **Research full paper**

12:00 – 13:00      **Lunch Break**

### **Ontology Evolution / Refinement · Chair: Paul Compton**

13:00 – 13:30      Using Ontological Contexts to Assess the Relevance of Statements in Ontology Evolution (*Fouad Zabli, Mathieu D'Aquin, Marta Sabou, Enrico Motta*) · **Research full paper**

13:30 – 14:00      What is concept drift and how to measure it? (*Shenghui Wang, Stefan Schlobach, Michel Klein*) · **Research full paper**

## Knowledge Access

- 14:00 – 14:30      Mobile cultural heritage guide: location-aware semantic search (*Chris Van Aart, Bob Wielinga, Willem van Hage*) · **In-use full paper**
- 14:30 – 15:00      Semantic Scout: Making Sense of Organizational Knowledge (*Claudio Baldassarre, Aldo Gangemi*) · **In-use full paper**
- 15:00 – 15:30      **Coffee Break**

## Annotation / Retrieval / Natural Language Processing ·

### Chair: Aldo Gangemi

- 15:30 – 16:00      Authoring Technical Documents for Effective Retrieval (*Jonathan Butters, Fabio Ciravegna*) · **Research full paper**
- 16:00– 16:30      A Methodology towards Effective and Efficient Manual Document Annotation: Addressing Annotator Discrepancy and Annotation Quality (*Ziqi Zhang, Sam Chapman, Fabio Ciravegna*) · **Research full paper**
- 16:30 – 17:00      Towards Better Ontological Support for Recognizing Textual Entailment (*Andreas Wotzlaw*) · **Research full paper**
- 17:00 – 18:00      **Closing Ceremony**

*Thursday · October 14th · 2010 · Lisbon*

### **Conference Dinner · Location**

20:00 –23:30

The dinner will take place in the restaurant 'Varanda de Lisboa' on the 8th floor of Hotel Mundial in the city centre. Please join us to enjoy the great food and the nice view over the historic centre of the city. The dinner will start at 8 pm. Details on how to reach Hotel Mundial will be provided.

# Friday · October 15th · 2010 · Lisbon

## Morning Session (09:00 – 12:00)

**Workshop W4:** Ontology Quality (*Nathalie Aussenac-Gilles, Jesualdo Tomás Fernández-Breis, Robert Stevens*)

**Tutorial T2:** Implementation of Large Scale Knowledge Infrastructures in Organizations Using Semantics (*Freek van Teeseling et al.*)

**Tutorial T3:** Knowledge Acquisition from Social Networking Sites (*Z. Zhang, A.E. Cano, K. Elbedweihy, A.-S. Dadzie*)

12:00 – 13:00      **Lunch Break**

## Afternoon Session (13:00 – 18:00)

**Workshop W5:** Knowledge Injection into and Extraction from Linked Data –KIELD– (*Valentina Presutti, Francois Scharffe, Vojtech Svatek*)

**Tutorial T2:** (13:00 – 14:30)  
(Continued) Implementation of Large Scale Knowledge Infrastructures in Organizations Using Semantics (*Freek van Teeseling et al.*)

**Tutorial T3** (15:00 – 18:00)  
(Continued) Knowledge Acquisition from Social Networking Sites (*Z. Zhang, A.E. Cano, K. Elbedweihy, A.-S. Dadzie*)

**Workshop W6:** Reuse and Adaptation of Ontologies and Terminologies (*Natalia Grabar, Thierry Hamon and Marie Dupuch*)



# Organizing Committee

## General and PC chairs:

Sofia Pinto (INESC-ID, IST, Lisbon)  
Philipp Cimiano (Universität Bielefeld)

## Tutorial chair:

Victoria Uren (University of Sheffield)

## Workshop chair:

Siegfried Handschuh (DERI Galway)

## Demo and Poster chairs:

Oscar Corcho (UPM, Madrid)  
Johanna Völker (Universität Mannheim)



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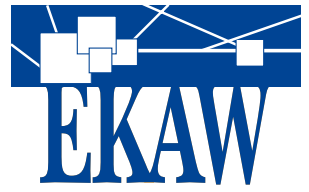
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*See you in 2012.*